Index of Claims

Application/Control No.

Reexamination

GRUENERT ET AL.

Applicant(s)/Patent under

**Art Unit** 

Examiner

Konstantina Katcheves

09/392,682

1636

Rejected Allowed

(Through numeral) Cancelled Restricted

**Non-Elected** Interference

**Appeal** 0 Objected

| Ourter |                |              |          |          |            |          |          |          |                |                 |  |
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| Claim  |                | Date         |          |          |            |          |          |          |                |                 |  |
| Final  | Original       |              |          |          |            |          |          |          |                |                 |  |
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|        | 7              | <u> </u>     | H        | ├        | ⊢          | ├        | ⊢        | ⊢        | ├              | $\vdash$        |  |
|        | 9              | ⊨            | ⊢        |          | ⊢          | ⊢        | -        | -        | ⊢              | Н               |  |
|        | 10             | <del> </del> | $\vdash$ | $\vdash$ | $\vdash$   |          | -        | ⊢        | ├─             | Н               |  |
|        | 11             | ┢            | $\vdash$ | $\vdash$ | -          | $\vdash$ | ⊢        | ┢        | ┢              | Н               |  |
|        | 12             | $\vdash$     | $\vdash$ | -        |            | H        | H        | ┢        | $\vdash$       | Н               |  |
|        | 12<br>13<br>14 | $\vdash$     | _        |          |            | ┢╌       | -        | ┢        | -              | Н               |  |
|        | 14             |              |          | _        | 1          |          |          | $\vdash$ |                |                 |  |
|        | 15             |              |          | _        | <u> </u>   | Г        | $\vdash$ | Π        |                |                 |  |
|        | 15<br>16       |              |          |          |            |          |          |          |                |                 |  |
|        | 17             | =            |          |          |            |          |          |          |                |                 |  |
|        | 18<br>19       |              |          |          |            |          |          |          |                |                 |  |
|        | 19             | <u> </u>     | <u> </u> |          |            |          |          | <u> </u> | L              |                 |  |
|        | 20 -           | E            |          |          |            |          | L        | <u> </u> |                | Ш               |  |
|        | 21             | 1            | <u> </u> | <u> </u> | _          |          | _        | _        | L              |                 |  |
|        | 22             | _            |          | _        | L          |          |          | <u> </u> | <u> </u>       | Ш               |  |
|        | 23<br>24       | Н-           | <u> </u> | ļ        | _          |          |          | <u> </u> | L              |                 |  |
|        | 25             | ₩            | ┝        | -        | ⊢          | ├        | <u> </u> | <u> </u> | <u> </u>       | Н               |  |
|        | 25             | ₩            |          | ⊢        | -          | ├        | $\vdash$ | -        | ⊢              | $\vdash$        |  |
|        | 26<br>27<br>28 | ╟┈           | -        | <u> </u> | -          | $\vdash$ | ⊢        | ├        | ⊢              | $\vdash$        |  |
|        | 28             | ╫            |          | ┝        |            | -        | $\vdash$ | ├─       | <del> </del> — | $\vdash$        |  |
|        | 29             | ╟            | $\vdash$ | ┢        |            | ┢        | -        | ┢        | ┢              | Н               |  |
|        | 29<br>30       | #            | ┢        | $\vdash$ |            |          |          | ┢        | $\vdash$       | H               |  |
|        | 31             |              | T        |          | $\vdash$   | _        |          | $\vdash$ |                | H               |  |
|        | 32             | П            |          |          |            | Г        |          |          |                | П               |  |
|        | 33             |              |          |          |            |          |          |          |                | П               |  |
|        | 34             |              |          |          |            |          |          |          |                |                 |  |
|        | 35 ;           |              |          |          |            |          |          |          |                |                 |  |
|        | 36             |              |          |          |            |          | _        |          |                | Ш               |  |
|        | 37 -           | =            | L.,      | _        | _          | _        | _        | _        | <u></u>        | Ш               |  |
|        | 38             |              |          | _        | <u> </u>   |          | <u> </u> | <u> </u> |                | Щ               |  |
|        | 39             |              | -        | -        | <u> </u>   | ├-       | _        | <u> </u> | <u> </u>       | $\vdash$        |  |
|        | 40             |              | _        |          | <u> </u>   | ├        | -        | <u> </u> | ├-             | $\vdash \vdash$ |  |
|        |                | 111          | _        | -        | ├          | ├        | _        | $\vdash$ | ├              | Н               |  |
|        | 43             | F            |          | -        |            | $\vdash$ | -        | H        | -              | $\vdash \vdash$ |  |
|        | 44             | $\vdash$     | -        | -        | $\vdash$   | Н        | H        | H        | -              | $\vdash \vdash$ |  |
|        | 45             | _            |          |          | -          | H        | $\vdash$ | $\vdash$ | $\vdash$       | H               |  |
|        | 46             |              |          |          | Т          |          | Н        | Н        |                | Н               |  |
|        | 47             | П            |          | _        | Т          |          | 7        | _        | $\vdash$       | Н               |  |
|        | 48             |              |          |          |            | Г        |          |          |                | П               |  |
|        | 49             |              |          |          |            |          |          |          |                | Н               |  |
|        | 50             |              |          |          |            |          |          |          |                |                 |  |

| Date   |                 |                 |                  | Cla      | Claim    |          |          | Date     |          |          |          |          |          |                |
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| <del></del>                                      |                 | $\vdash$        | _                |          |          | ├-       | H        |          |          | -        | -        | ├—       | _        | -              |
|  | +               | <del></del>     | _                |          | 51       | -        |          |          | <u> </u> |          | $\vdash$ | ┞        | <u> </u> | ⊢              |
| -  |                 | Ш               | _                |          | 52       | ļ        |          |          | _        |          | <u> </u> | ╙        | <u> </u> | _              |
| +++  |                 | $\sqcup$        |                  |          | 53       | _        | Ш        |          |          |          | L        | <u> </u> |          | $oxed{oxed}$   |
|  |                 | Ш               |                  |          | 54       | _        |          |          | _        |          | <u>L</u> | _        |          | Щ              |
|  |                 | Ш               |                  |          | 55       | L        |          |          |          |          | L.       |          | L        |                |
|  |                 |                 |                  |          | 56       |          |          |          |          |          |          |          |          |                |
|  |                 |                 |                  |          | 57       |          |          |          |          |          |          |          |          |                |
|  |                 |                 |                  |          | 58       |          |          |          |          |          |          |          |          |                |
| $\Box$   |                 | П               | 7                |          | 59       | Г        |          |          |          |          |          |          |          |                |
|  |                 |                 |                  |          | 60       |          |          |          |          |          |          |          |          |                |
|  |                 | П               | $\neg$           |          | 61       |          |          |          |          |          |          |          |          | П              |
|  | $\top$          | Н               | <b>-</b>         |          | 62       |          |          | _        |          |          |          |          |          | Н              |
| +++  |                 | $\vdash$        | $\dashv$         |          | 63       |          | $\vdash$ | _        | $\vdash$ | $\vdash$ | _        |          |          | Н              |
| <del>- - - </del>                                | +               |                 |                  |          | 64       | Н        | Н        |          |          | -        | -        | $\vdash$ | $\vdash$ | Н              |
|  | $\dashv$        | $\vdash$        |                  |          | 65       | $\vdash$ | $\vdash$ |          | _        |          | -        | $\vdash$ | -        | Н              |
| +++  | $\dashv$        | $\vdash$        |                  |          | 66       | $\vdash$ | Н        |          |          | -        | H        |          | $\vdash$ | Н              |
| +++  | +               | $\vdash \vdash$ | $\dashv$         |          | 66<br>67 | $\vdash$ | $\vdash$ |          | -        | -        |          | $\vdash$ | <u> </u> | Н              |
|  | <del></del>     | $\vdash \vdash$ |                  |          | 68       | $\vdash$ | $\vdash$ |          |          | _        | $\vdash$ | -        | _        | $\vdash$       |
|  |                 | $\vdash$        |                  |          | 00       | <u> </u> |          |          |          |          |          |          | _        | Н              |
| +++  |                 |                 |                  |          | 69       | H        |          |          |          |          |          |          |          | ļ              |
|  |                 | $\vdash$        | —                |          | 70       | <u> </u> | Н        |          |          |          |          |          | _        | Щ              |
|  |                 | $\sqcup$        |                  |          | 71       | _        | Щ        |          |          |          |          |          |          | Щ              |
| +  |                 | $\sqcup$        |                  |          | 72       |          |          |          |          |          |          |          |          | L              |
|  |                 |                 |                  |          | 73       | <u> </u> | Щ        |          |          |          |          | _        |          |                |
| $\perp \perp \perp \perp$                        | _               | $\sqcup$        | <b></b> ∤        |          | 74       |          |          |          |          |          |          |          |          |                |
|  |                 | Ш               | _                |          | 75       |          |          |          |          |          |          |          |          |                |
|  |                 | Ш               | _                |          | 76       |          |          |          |          |          |          |          |          |                |
|  |                 |                 |                  |          | 77       |          |          |          |          |          |          |          |          |                |
|  |                 |                 |                  |          | 78       |          |          |          |          |          |          |          |          |                |
|  |                 |                 |                  |          | 79       |          |          |          |          |          |          |          |          |                |
|  |                 | П               |                  |          | 80       |          |          |          |          |          |          |          |          |                |
|  |                 | П               |                  |          | 81       |          |          |          |          |          |          |          |          |                |
|  |                 | П               |                  |          | 82       |          |          |          |          |          |          |          |          |                |
|  |                 |                 |                  |          | 83       |          |          |          |          |          |          |          |          |                |
|  |                 |                 |                  |          | 84       | П        |          |          |          |          |          |          |          |                |
|  |                 | $\sqcap$        | _                |          | 85       |          |          |          |          |          |          |          |          | П              |
| $\neg$   | $\neg \vdash$   | H               | 7                |          | 86       |          | $\Box$   | $\neg$   |          |          |          |          |          | Н              |
| $\top$   |                 | H               | <b>⊣</b>         |          | 87       | H        |          | _        |          |          | _        | $\vdash$ |          | Н              |
| $\neg$   |                 | $\vdash$        | $\neg \mid \mid$ |          | 88       | Н        | $\neg$   |          |          |          |          |          |          | Н              |
| <del></del>                                      | _               | H               | →                | $\dashv$ | 89       | Н        |          | $\dashv$ |          | $\dashv$ |          |          |          | H              |
| <del></del>                                      |                 | $\vdash$        |                  | $\neg$   | 90       | Н        |          | $\dashv$ |          | $\vdash$ |          |          | $\dashv$ | H              |
| +++  | $\dashv$        | H               |                  | -        | 91       | Н        | -        | $\dashv$ |          | -        |          |          | Н        | Н              |
| <del>                                     </del> | $\top$          |                 | $\dashv$ $\mid$  |          | 92       | $\vdash$ | -        | -        |          | $\neg$   | $\vdash$ | $\dashv$ | $\dashv$ | Н              |
| <del>       </del>                               | $\dashv$        | $\vdash$        | $\dashv$ $\mid$  |          | 93       | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ |          | $\vdash$ | Н              |
| +++  | $\dashv$        | ┪               | $\dashv$ !       | $\dashv$ | 94       | $\vdash$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$ |          | $\vdash$       |
| 111  | $\dashv$        | $\vdash$        |                  |          | 95       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          |          | $\vdash$ | $\vdash$ | $\vdash\vdash$ |
| <del></del>                                      | $\dashv$        | ╌┤              | →                | $\dashv$ | 96       | $\vdash$ | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | -        | $\vdash$ | $\dashv$       |
| <del>- - - </del>                                | +               | $\vdash$        | <b>⊣</b>         | -        | 97       | $\vdash$ | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |                |
| <del></del>                                      | $\dashv$        | $\vdash$        | <b>⊣</b>         |          | 98       | $\vdash$ | -        |          | -        | $\dashv$ |          | -        |          |                |
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| Claim |                                 | 1        |          |          |          | Date   | <br>e    |          |                                     |                 |
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|       | 102                             |          |          |          |          |  | Ī        |          | [                                   |                 |
|       | 103                             |          |          |          |          |  |          | Г        | Г                                   | П               |
|       | 104                             |          |          | _        | İ        |  |          | Г        | Г                                   | П               |
|       | 105                             |          | <b>-</b> | -        |          | T  |          |          | T                                   |                 |
|       | 106                             |          | H        | $\vdash$ |          | H  |          | -        | $\vdash$                            | Н               |
|       | 107                             | $\vdash$ | Н        | -        | $\vdash$ | ⊢  | -        | ⊢        | -                                   | Н               |
|       | 108                             | _        |          | $\vdash$ | ┝        | -  | -        | ⊢        |                                     | Н               |
|       | 100                             |          | _        | <u> </u> |          | ┝  | ⊢        | ⊢        | ⊢                                   | Н               |
|       | 109<br>110                      | _        |          |          | <u> </u> | <u> </u>   |          |          | _                                   | Ш               |
|       | 110                             | $\vdash$ | L.       | <u> </u> | <u> </u> | <u> </u>   | 匚        | _        | <u> </u>                            | Ш               |
|       | 111                             | _        | <u> </u> | $\vdash$ | _        | <u> </u>   | <u> </u> | L_       |                                     | Ш               |
|       | 112                             | _        |          |          | <u> </u> | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |          | L        |                                     | Ш               |
|       | 112<br>113                      | L        |          |          | L        |  | L        | L        | L                                   |                 |
|       | 114<br>115                      |          |          |          |          |  |          |          |                                     |                 |
|       | 115                             | Г        |          |          |          | Г  |          | l        |                                     |                 |
|       | 116                             |          |          |          | $\vdash$ | Г  | Т        | _        |                                     | П               |
|       | 117                             | Н        | П        | $\vdash$ |          | $\vdash$   | $\vdash$ | $\vdash$ | _                                   | Н               |
|       | 117<br>118                      | ┝        |          | -        | -        | $\vdash$   | $\vdash$ | -        |                                     | $\dashv$        |
|       | 119                             | H        | -        |          | _        | $\vdash$   | _        | -        |                                     | -               |
|       | 120                             | -        | -        |          | -        | $\vdash$   | ⊢        | ├—       |                                     | $\vdash$        |
|       | 120<br>121<br>122               |          |          |          | <u> </u> | <u> </u>   | <u> </u> | <u> </u> | <u> </u>                            | $\Box$          |
|       | 121                             | <u> </u> | _        |          | _        | _  |          | _        | L.                                  |                 |
|       | 122                             | L.       |          |          |          | <u> </u>   |          | <u> </u> |                                     | Ш               |
|       | 123                             |          |          |          | _        |  |          | _        |                                     |                 |
|       | 123<br>124<br>125               |          |          |          | L        |  |          |          |                                     |                 |
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|       | 127                             |          |          |          |          |  |          |          |                                     |                 |
|       | 128                             |          |          |          |          |  |          |          |                                     |                 |
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|       | 130                             | _        | $\vdash$ |          |          | ┢  | _        | _        | -                                   |                 |
|       | 131                             | $\vdash$ | ┝        |          |          | Н  | _        | $\vdash$ | ├-                                  | $\vdash$        |
|       | 131<br>132                      | $\vdash$ | $\vdash$ | _        | Ь.       | -  | $\vdash$ | $\vdash$ | $\vdash$                            | $\vdash$        |
|       | 133                             |          | H        |          |          | $\vdash$   |          |          | ├-                                  | Н               |
|       | 133                             | $\vdash$ |          |          | <u> </u> | _  |          | H        | <u> </u>                            | Н               |
|       | 134<br>135                      | $\vdash$ | <u> </u> |          | <u> </u> | _  | <u> </u> | $\vdash$ | _                                   | $\vdash \vdash$ |
|       | 135                             | $\vdash$ | Ш        | <u> </u> | _        | <u> </u>   | <u> </u> | <u> </u> | <u> </u>                            | Щ               |
|       | 136                             | Ш        | L        | L i      |          | Ш  |          | Ш        |                                     | Ш               |
|       | 137<br>138                      | Щ        | Щ        |          |          |  |          | Ш        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |                 |
|       | 138                             |          |          |          |          |  |          |          |                                     | $\square$       |
| ]     | 139                             |          |          |          |          |  |          |          |                                     |                 |
|       | 140                             |          |          |          |          |  |          |          |                                     |                 |
|       | 141                             |          |          |          |          |  |          |          |                                     |                 |
|       | 142                             |          |          |          |          |  |          |          |                                     |                 |
|       | 143                             |          | П        |          |          |  |          |          |                                     | $\Box$          |
|       | 144                             | П        | М        |          |          | М  |          |          |                                     | $\vdash$        |
|       | 145                             | H        | $\vdash$ | H        | -        | Н  |          |          |                                     | $\dashv$        |
|       | 146                             | $\dashv$ | Н        | $\dashv$ | _        | $\vdash$   | $\vdash$ | —        | _                                   | $\dashv$        |
|       | 147                             | $\vdash$ | Н        | $\vdash$ |          | Н  |          | _        | -                                   | $\dashv$        |
| -     |                                 | Н        | Н        | $\vdash$ |          | Н  |          |          |                                     | H               |
|       | 148                             | Щ        | Н        |          |          | Ш  |          |          |                                     | Щ               |
|       | 149                             | Ш        | Ш        |          |          | ш  |          |          |                                     | Щ               |
|       | 150                             |          |          |          |          |  |          |          |                                     |                 |
|       |                                 |          |          |          |          |  |          |          |                                     | _               |